

a sensing device operable to generate a signal used to determine a volume of water dispensed from the outlet;

an electronic control coupled with the sensing device and having an output responsive to the signal for indicating the volume of water dispensed from the outlet; and

a display coupled to the electronic control and responsive to the output for displaying the volume of water dispensed from the outlet.

3. (AMENDED) The water purification system of claim 2, wherein the flow sensor is positioned to measure water flow upstream of the inlet.

4. (AMENDED) The water purification system of claim 2, wherein the flow sensor is positioned to measure water flow downstream of the outlet.

5. (AMENDED) The water purification system of claim 1, wherein the sensing device includes a timer.

6. (AMENDED) The water purification system of claim 5, wherein the control further includes a look-up table with time values usable to determine an amount of time for dispensing the desired volume of purified water from the outlet.

7. (AMENDED) The water purification system of claim 5, wherein the control further includes an algorithm operable to determine an amount of time for dispensing the desired volume of purified water from the outlet.

8. (AMENDED) The water purification system of claim 1, wherein the control further includes an alerting device configured to alert the user when the desired volume of purified water has been dispensed from the outlet.

9. (AMENDED) A water purification system for purifying water flowing through a water flow path, the system comprising:

a water purification device having an inlet and an outlet in the water flow path and in fluid communication with at least one interior volume of the water purification device;

a purification medium positioned within the interior volume;

a flow control system for controlling a volume of purified water dispensed from the outlet, the flow control system including an input device configured to allow a user to input a desired volume of purified water to be dispensed from the outlet ^{during a dispense cycle} and a sensing device operable to generate a signal used to determine a volume of purified water dispensed from the outlet; and

a flow regulation device coupled with the flow control system and operable to stop the discharge of purified water at the outlet when the desired volume of purified water has been dispensed from the outlet.

11. (AMENDED) The water purification system of claim 10, wherein the flow sensor is positioned to measure water flow upstream of the inlet.

12. (AMENDED) The water purification system of claim 10, wherein the flow sensor is positioned to measure water flow downstream of the outlet.

13. (AMENDED) The water purification system of claim 9, wherein the sensing device includes a timer.

14. (AMENDED) The water purification system of claim 13, wherein the flow control system further includes a look-up table with time values usable to determine an amount of time for dispensing the desired volume of purified water.

15. (AMENDED) The water purification system of claim 13, wherein the flow control system further includes an algorithm operable to determine an amount of time for dispensing the desired volume of purified water.

18. (AMENDED) A water purification system for purifying water flowing through a water flow path, the system comprising:

a water purification device having an inlet and an outlet

communicating with at least one interior volume;

a purification medium positioned within the interior volume;

a pump for moving water through the inlet, the purification medium and the outlet;

an input device configured to allow a user to input a desired volume of purified water to be dispensed from the outlet, ^{during a dispense cycle}

a sensing device positioned upstream of the inlet and configured to sense a fluid characteristic of the water flowing through the inlet, the fluid characteristic being at least indirectly indicative of the volume of water flowing through the inlet;

a flow regulation device coupled to the water flow path and configured to control the discharge of purified water from the outlet; and

a control coupled to the input device, the sensing device, and the flow regulation device, the control operating to manipulate information generated by the input device and the sensing device to thereby control the flow regulation device to dispense the desired volume of purified water from the outlet.

19. (AMENDED) The water purification system of claim 18, wherein the sensing device comprises a flow sensor operative to measure the flow of water upstream of the inlet.

(Please add new claims 21-28 as follows:)

21. (NEW) A water purification system for purifying water flowing through a water flow path, the system comprising:

a water purification device having an inlet and an outlet in the water flow path and in fluid communication with at least one interior volume of the water purification device;

a purification medium positioned within the interior volume;

an input device configured to allow a user to input a desired volume of water to be dispensed from the outlet; ^{during a dispense cycle}

a sensing device operable to generate a signal used to determine a volume of water dispensed from the outlet;

an electronic control coupled with the sensing device and having an output responsive to the signal for indicating the volume of water remaining to be dispensed from the outlet until the desired volume of water to be dispensed from the outlet is reached; and

a display coupled to the electronic control and responsive to the output for displaying the volume of water remaining to be dispensed from the outlet until the desired volume of water to be dispensed is reached.

22. (NEW) The water purification system of claim 21, wherein the sensing device comprises a flow sensor.

23. (NEW) The water purification system of claim 22, wherein the flow sensor is positioned to measure water flow upstream of the inlet.

24. (NEW) The water purification system of claim 22, wherein the flow sensor is positioned to measure water flow downstream of the outlet.

25. (NEW) The water purification system of claim 21, wherein the sensing device includes a timer.

26. (NEW) The water purification system of claim 25, wherein the control further includes a look-up table with time values usable to determine an amount of time for dispensing the desired volume of purified water from the outlet.

27. (NEW) The water purification system of claim 25, wherein the control further includes an algorithm operable to determine an amount of time for dispensing the desired volume of purified water from the outlet.

28. (NEW) The water purification system of claim 21, wherein the control further includes an alerting device configured to alert the user when the desired volume of purified water has been dispensed from the outlet.
